

**IN THE SPECIFICATION:**

*On page 22, line 3, please delete paragraph and replace with the following:*

Cardiac-homing phage clone  $\psi$ Y12 (SEQ ID NO: 10) containing the amino acid sequence QAQGQLV (SEQ ID NO: 1) (Figures 3A and 3B), which is homologous to TNF $\alpha$  (SEQ ID NO: 11), identified an aging-associated change in TNF $\alpha$  receptor pathways in the microvasculature of the older heart. *In vivo* injection of the  $\psi$ Y12 clone phage confirmed the diminished binding capacity of the TNF $\alpha$ -like phage in the older cardiac microvasculature (Figures 3C-3E), with only minimal binding in the subepicardium of aging hearts. Therefore, TNF receptor is altered in the microvasculature of the older heart.

*On page 23, line 24 to page 24, line 6, please delete paragraph and replace with the following:*

Cardiac-homing phage clone  $\psi$ O40 (SEQ ID NO: 12) containing the amino acid sequence ARRQGAV (SEQ ID NO: 4), which is partially homologous to BDNF (SEQ ID NO: 13) (Figures 6A and 6B), identified an aging-associated change in BDNF receptor pathways in the microvasculature of the older heart. *In vivo* injection of the  $\psi$ O40 clone phage combining with immunostaining and recovered  $\psi$ O40 phage CFU assay confirmed the more binding capacity of the BDNF-homologous phage in the older cardiac microvasculature while only

minimal binding of the subepicardium of the young hearts, suggesting that BDNF receptor(s) may be altered in the microvasculature of the older hearts (Figures 6C and 6D).

*Please insert the sequence listing after the specification but before the listing of claims.*

*On page 26, line 3, please insert the following new paragraph:*

### **INCORPORATION OF SEQUENCE LISTING**

Incorporated herein by reference in its entirety is the Sequence Listing for the application. The Sequence Listing is disclosed on a computer-readable ASCII text file titled, “sequence\_listing.txt”, created on October 19, 2010. The sequence.txt file is 4.85 kb in size.